# SECTION 1: CHEMICAL PRODUCT and COMPANY IDENTIFICATION

<table>
<thead>
<tr>
<th>Product Name:</th>
<th>Litmus Powder</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product Code:</td>
<td>L04635</td>
</tr>
<tr>
<td>Supplier:</td>
<td>Pfaltz &amp; Bauer, Inc.</td>
</tr>
<tr>
<td></td>
<td>172 E. Aurora Street</td>
</tr>
<tr>
<td></td>
<td>Waterbury, CT 06708 USA</td>
</tr>
<tr>
<td>Phone:</td>
<td>203 574-0075</td>
</tr>
<tr>
<td>Fax:</td>
<td>203 574-3181</td>
</tr>
<tr>
<td>Emergency Phone:</td>
<td>CHEMTREC, US: 1-800-424-9300</td>
</tr>
<tr>
<td></td>
<td>CHEMTREC, International: 1-703-527-3887</td>
</tr>
</tbody>
</table>

# SECTION 2: COMPOSITION/INFORMATION on INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical Name:</th>
<th>Litmus, indicator grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>Synonyms:</td>
<td>Not Available</td>
</tr>
<tr>
<td>CAS Number:</td>
<td>1393-92-6</td>
</tr>
<tr>
<td>MDL Number:</td>
<td>MFCD00131528</td>
</tr>
<tr>
<td>EINECS Number:</td>
<td>215-739-6</td>
</tr>
<tr>
<td>Beilstein Registry Number:</td>
<td>Not Available</td>
</tr>
<tr>
<td>Molecular Formula:</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Molecular Weight:</td>
<td>3300</td>
</tr>
<tr>
<td>Content:</td>
<td>80-100%</td>
</tr>
</tbody>
</table>

# SECTION 3: HAZARDS IDENTIFICATION

<table>
<thead>
<tr>
<th>Statements of Hazard:</th>
<th>Irritant</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute Health Hazard:</td>
<td>Irritant to eyes, skin, mucous membranes and respiratory system. May be harmful by ingestion, inhalation or skin absorption.</td>
</tr>
<tr>
<td>Chronic Health Hazard:</td>
<td>Not Available</td>
</tr>
<tr>
<td>HMIS Rating:</td>
<td>H:0 F:0 P:0</td>
</tr>
<tr>
<td>NFPA Rating:</td>
<td>H:0 F:0 R:0</td>
</tr>
</tbody>
</table>

To the best of our knowledge, the toxicological properties of this chemical have not been thoroughly investigated. Use appropriate procedures and precautions to prevent or minimize exposure.
Pictogram:

Signal Word: Warning

Hazard Statement(s):
- H302 Harmful if swallowed
- H312 Harmful in contact with skin
- H315 Causes skin irritation
- H320 Causes eye irritation
- H332 Harmful if inhaled

Precautionary Statement(s):
- P261 Avoid breathing dust/fume/gas/mist/vapors/spray
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
- P302+P352 IF ON SKIN: Wash with plenty of soap and water.
- P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P332+P313 If skin irritation occurs: Get medical advice/attention.

SECTION 4: FIRST AID MEASURES

Eye Contact: Flush eyes with large amounts of water for fifteen minutes. Separate eyelids with fingers. If irritation persists, seek medical attention.

Skin Contact: Wash skin with soap and water. If irritation persists, seek medical attention.

Ingestion: Do not induce vomiting. Seek medical attention.

Inhalation: Move to a fresh air environment. Contact a physician if breathing becomes difficult.

SECTION 5: FIRE FIGHTING MEASURES

Flash Point: Not Available

Explosion Limits:
- Lower: Not Available
- Upper: Not Available

Auto Ignition Temperature: Not Available
Extinguishing Media: Carbon dioxide, dry chemical powder, alcohol-resistant foam or water spray.

Protective Equipment: Wear self-contained respirator and fully protective impervious suit.

Specific Hazards: May emit hazardous fumes under fire conditions.

SECTION 6: ACCIDENTAL RELEASE MEASURES


Environmental Protection: Keep spills out of sewers and bodies of water. Dike and contain the spill with inert material. Absorb on sand, vermiculite or diatomite. Transfer material to a container for disposal or recovery. Ventilate area and wash spill site after material pickup is complete.

SECTION 7: HANDLING and STORAGE

Handling: Avoid breathing dust, vapor, mist or gas. Avoid contact with skin and eyes. Avoid prolonged or repeated exposure. Use only in a chemical fume hood. Open and handle container with care. Keep ignition sources away.

Storage: Store in a tightly closed container in a dry, well-ventilated place.

Sensitivities: Not Available

Storage Temperature: 15 – 30 ºC

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Eyes: Wear appropriate protective eyeglass or chemical safety goggles. Make sure that there is an eyewash facility in your vicinity.

Skin: Wear impervious gloves and protective clothing.

Respiratory: Use a NIOSH approved respirator when exposure limits are exceeded or if irritation or other symptoms are experienced.

Exposure Limits:

<table>
<thead>
<tr>
<th>Country</th>
<th>Source</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>USA</td>
<td>ACGIH</td>
<td>TWA</td>
<td>Not Available</td>
</tr>
<tr>
<td>USA</td>
<td>OSHA</td>
<td>STEL</td>
<td>Not Available</td>
</tr>
<tr>
<td>USA</td>
<td>OSHA</td>
<td>PEL</td>
<td>Not Available</td>
</tr>
</tbody>
</table>
SECTION 9: PHYSICAL and CHEMICAL PROPERTIES

Appearance: Dark Blue Powder
Odor: Not Available
Melting Point: Not Available
Boiling Point: Not Available
Decomposition Temperature: Not Available
Sublimation Temperature: Not Available
pH Value: 5-8
Density: Not Available
Refractive Index, n\textsuperscript{20}D: Not Available
Viscosity: Not Available
Solubility in Water: Moderate
Vapor Pressure: Not Available
Vapor Density: Not Available

SECTION 10: STABILITY and REACTIVITY

Stability: Stable under normal temperatures and pressures.
Incompatibility: Strong oxidizing agents.
Conditions to Avoid: Heat, Flame, Sparks, other ignition sources
Hazardous Decomposition Products: Carbon monoxide, Carbon dioxide, Nitrogen oxides

SECTION 11: TOXICOLOGICAL INFORMATION

RTECS Reference: Not Available
Target Organs: No data available
Toxicity Data: No data available

SECTION 12: ECOLOGICAL INFORMATION

Toxicity: No data available

SECTION 13: DISPOSAL CONSIDERATIONS

Contact a licensed professional waste disposal service. Dispose in a manner consistent with federal, state and local environmental regulations.
**SECTION 14: TRANSPORT INFORMATION**

**DOT:** Not regulated  
**IATA:** Not regulated  
**IMDG:** Not regulated

**SECTION 15: REGULATORY INFORMATION**

**United States:**  
Toxic Substance Control Act (TSCA): Not listed  
Superfund Amendments and Reauthorization Act (SARA 302): Not listed  
Superfund Amendments and Reauthorization Act (SARA 311/312): Not listed  
Superfund Amendments and Reauthorization Act (SARA 313): Not listed

**European Union:**  
European Inventory of Existing Chemical Substances (EINECS): No. 215-739-6  
Hazard Codes: Xi, Xn  
Risk Statements: 40-36/37/38  
Safety Statements: 24/25-36/37-36-26

**Canada**  
Canadian Domestic Substances List (DSL): Not Listed  
Canadian Domestic Substances List (NDSL): Not Listed

**SECTION 16: OTHER INFORMATION**

**Date Prepared:** 2/21/12  
MH

The information above is presented in good faith. It is believed to be accurate and represents the best information currently available to us. However we make no warranty with respect to such information and we assume no liability resulting from its use. The user should consider this information as a supplement to other information that may be available and make independent judgment to ensure proper use to protect the health and safety of employees and the environment. Pfaltz and Bauer shall not be held liable for any damage resulting from handling or from contact with the above product.